

Expanded Los Vaqueros
Common Reporting Metrics

Expanded Los Vaqueros Common Reporting Metrics				Base	2		3		4		
					Environmental Water / SBA Water Quality	Difference	SBA Water Supply Reliability / Environmental Water / SBA Water Quality		SBA and CCWD Water Supply Reliability / Environmental Water / SBA Water Quality		
							Value	Difference	Value	Difference	Value
Water Supply Reliability											
Sacramento Valley											
CVP Ag	Contract Delivery (annual average - does not include Settlement Contract)	(TAF/year)	Long Term	238	238	0	238	0	238	0	
			Driest Periods	76	76	0	76	0	76	0	
				182	182	0	182	0	182	0	
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Driest Periods	174	174	0	174	0	174	0	
Bay Area											
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	42	42	0	42	0	42	0	
			Driest Periods	16	16	0	16	0	16	0	
				266	266	0	266	0	270	4	
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Driest Periods	250	250	0	250	0	260	10	
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	208	208	0	217	9	217	9	
			Driest Periods	123	123	0	140	17	140	17	
San Joaquin Valley (not including San Joaquin River and its tributary's water users)											
CVP Ag ⁷	Contract Delivery (annual average - includes Cross Valley Canal; does not include Exchange Contract)	(TAF/year)	Long Term	1,142	1,141	0	1,140	-1	1,141	-1	
			Driest Periods	415	416	1	416	1	414	0	
				14	14	0	14	0	14	0	
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Driest Periods	11	11	0	11	0	11	0	
SWP Ag ⁷	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	958	957	-1	957	-1	957	-1	
			Driest Periods	573	572	-1	572	-1	573	0	
				14	15	0	15	1	15	1	
Groundwater Banking ⁷	Delivery (annual average)	(TAF/year)	Driest Periods	13	13	0	13	0	12	0	
South and Central Coast											
SWP M&I ⁷	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	2,233	2,229	-4	2,229	-4	2,230	-3	
			Driest Periods	1,330	1,328	-2	1,328	-3	1,329	-2	
Total For All Regions											
Ag, M&I and GW Banking	Delivery (annual average)	(TAF/year)	Long Term	5,297	5,292	-5	5,300	3	5,305	9	
			Driest Periods	2,980	2,978	-3	2,995	14	3,004	23	
Ecosystem											
Sacramento River											
Shasta Lake	Percentage of period End-of-Sept Storage less than 1.9 MAF	(%)		19.2%	19.2%	0.0%	19.2%	0.0%	19.2%	0.0%	
Delta											
X2 Location ⁸	Average X2 location (Feb - Jun)	(km from Golden Gate)	Long Term	69.4	69.5	0.1	69.5	0.1	69.5	0.1	
			Driest Periods	78.2	78.2	0.0	78.2	0.0	78.2	0.0	
				3,972	3,740	-232	3,768	-205	3,776	-196	
Qwest ⁸	Average Qwest (Feb - Jun)	(cfs)	Driest Periods	54	32	-22	32	-22	36	-18	
Delta Outflow ⁸	Average Outflow (Feb - Jun)	(cfs)	Long Term	28,865	28,613	-252	28,644	-221	28,649	-216	
			Driest Periods	9,718	9,677	-41	9,677	-41	9,664	-54	
EWA											
NOD	Delivered to Delta Inflow (annual average)	(TAF/year)	Long Term	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
			Driest Periods	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
SOD	Delivered to San Luis (annual average)	(TAF/year)	Long Term	n/a	143	143	123	123	117	117	
			Driest Periods	n/a	65	65	49	49	42	42	
Environmental Programs											
Delivery for Environmental Purposes	Total delivery (including ERP and other actions) (annual average)	(TAF/year)	Long Term	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
			Driest Periods	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Delta Water Quality											
Improve Delta Water Quality	Delivered to Delta Inflow (annual average)	(TAF/year)	Long Term	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
			Driest Periods	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Level 4 Refuge											
NOD	Delivery to Refuges (annual average)	(TAF/year)	Long Term	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
			Driest Periods	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
SOD	Delivery to Refuges (annual average)	(TAF/year)	Long Term	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
			Driest Periods	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Water Quality											
San Joaquin River											
Vernalis	EC (monthly average)	(umhos/cm)	Long Term	597	597	0	597	0	597	0	
			Driest Periods	746	746	0	746	0	746	0	
			90th Percentile	890	891	n/a	891	n/a	891	n/a	
Delta											
Emmaton	EC (monthly average)	(umhos/cm)	Long Term	1,135	1,136	2	1,136	2	1,136	1	
			Driest Periods	1,624	1,624	0	1,624	0	1,624	-1	
			90th Percentile	2,512	2,542	n/a	2,542	n/a	2,542	n/a	
DOC (monthly average)			Long Term	2.6	2.6	0.0	2.6	0.0	2.6	0.0	
			Driest Periods	2.6	2.6	0.0	2.6	0.0	2.6	0.0	
			90th Percentile	3.5	3.5	n/a	3.5	n/a	3.5	n/a	
Jersey Point	EC (monthly average)	(umhos/cm)	Long Term	1,074	1,083	9	1,083	9	1,083	9	
			Driest Periods	1,359	1,362	3	1,362	3	1,362	3	
			90th Percentile	2,205	2,195	n/a	2,195	n/a	2,194	n/a	
DOC (monthly average)			Long Term	2.9	2.9	0.0	2.9	0.0	2.9	0.0	
			Driest Periods	2.8	2.8	0.0	2.8	0.0	2.8	0.0	
			90th Percentile	4.3	4.3	n/a	4.3	n/a	4.3	n/a	
Bay Area											
EC (monthly average)			Long Term	470	473	3	474	4	474	4	
			Driest Periods	565	568	2	568	2	568	2	
			90th Percentile	846	852	n/a	851	n/a	851	n/a	
Old River at Rock Slough	Bromide (monthly average)	(mg/l)	Long Term	0.34	0.34	0.00	0.34	0.00	0.34	0.00	
			Driest Periods	0.43	0.43	0.00	0.43	0.00	0.43	0.00	
			90th Percentile	0.70	0.70	n/a	0.70	n/a	0.70	n/a	
DOC (monthly average)			Long Term	3.3	3.3	0.0	3.3	0.0	3.3	0.0	
			Driest Periods	3.1	3.1	0.0	3.1	0.0	3.1	0.0	
			90th Percentile	5.0	4.9	n/a	4.9	n/a	4.9	n/a	
EC (monthly average)			Long Term	455	458	3	459	4	459	4	
			Driest Periods	538	543	4	543	4	542	4	
			90th Percentile	745	746	n/a	746	n/a	746	n/a	
Los Vaqueros Old River Intake	Bromide (monthly average)	(mg/l)	Long Term	0.26	0.27	0.00	0.27	0.00	0.27	0.00	
			Driest Periods	0.34	0.35	0.00	0.35	0.00	0.35	0.00	
			90th Percentile	0.54	0.55	n/a	0.55	n/a	0.55	n/a	
DOC (monthly average)			Long Term	3.7	3.6	0.0	3.6	0.0	3.6	0.0	
			Driest Periods	3.6	3.6	0.0	3.6	0.0	3.6	0.0	
			90th Percentile	5.3	5.1	n/a	5.2	n/a	5.2	n/a	
EC (monthly average)			Long Term	390	391	1	391	1	391	1	
			Driest Periods	454	455	1	455	1	455	1	
			90th Percentile	551	552	n/a	551	n/a	552	n/a	
Los Vaqueros Middle River Intake (Proposed)	Bromide (monthly average)	(mg/l)	Long Term	0.21	0.21	0.00	0.21	0.00	0.21	0.00	
			Driest Periods	0.26	0.26	0.00	0.26	0.00	0.26	0.00	
			90th Percentile	0.41	0.41	n/a	0.41	n/a	0.41	n/a	
DOC (monthly average)			Long Term	4.1	4.1	0.0	4.1	0.0	4.1	0.0	
			Driest Periods	4.2	4.1	0.0	4.1	0.0	4.1	0.0	
			90th Percentile	5.7	5.7	n/a	5.7	n/a	5.7	n/a	
Delta Export											
EC (monthly average)			Long Term	470	474	4	474	4	474	4	
			Driest Periods	564	568	4	568	4	568	4	
			90th Percentile	708	706	n/a	706	n/a	704	n/a	
Tracy	Bromide (monthly average)	(mg/l)	Long Term	0.28	0.28	0.00	0.28	0.00	0.28	0.00	
			Driest Periods	0.37	0.37	0.00	0.37	0.00	0.37	0.00	
			90th Percentile	0.51	0.51	n/a	0.51	n/a	0.50	n/a	
DOC (monthly average)			Long Term	3.7	3.7	0.0	3.7	0.0	3.7	0.0	
			Driest Periods	3.8	3.8	0.0	3.8	0.0	3.8	0.0	
			90th Percentile	5.2	5.2	n/a	5.2	n/a	5.2	n/a	
EC (monthly average)			Long Term	426	430	4	430	4	430	4	
			Driest Periods	505	509	4	509	4	509	4	
			90th Percentile	672	678	n/a	678	n/a	678	n/a	
Banks	Bromide (monthly average)	(mg/l)	Long Term	0.24	0.24	0.00	0.24	0.00	0.24	0.00	
			Driest Periods	0.31	0.31	0.00	0.31	0.00	0.31	0.00	
			90th Percentile	0.47	0.48	n/a	0.48	n/a	0.48	n/a	
DOC (monthly average)			Long Term	3.7	3.7	0.0	3.7	0.0	3.7	0.0	
			Driest Periods	3.8	3.8	0.0	3.8	0.0	3.8	0.0	
			90th Percentile	5.2	5.2	n/a	5.2	n/a	5.2	n/a	
Other											
Delta Stage											
Old River Head Barrier - Upstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-0.34	-0.33	n/a	-0.33	n/a	-0.33	n/a	
			10th Percentile	0.23	0.23	n/a	0.23	n/a	0.23	n/a	
			Maximum Change	n/a	n/a	-0.07	n/a	-0.07	n/a	-0.07	
Old River Head Barrier - Downstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-1.80	-1.81	n/a	-1.81	n/a	-1.81	n/a	
			10th Percentile	-1.21	-1.20	n/a	-1.20	n/a	-1.20	n/a	
			Maximum Change	n/a	n/a	-0.06	n/a	-0.06	n/a	-0.06	
Middle River at Mowry	Stage (monthly minimum)	(ft NGVD)	Minimum	-1.57	-1.57	n/a	-1.57	n/a	-1.57	n/a	
			10th Percentile	-1.04	-1.05	n/a	-1.05	n/a	-1.05	n/a	
			Maximum Change	n/a	n/a	-0.08	n/a	-0.08	n/a	-0.08	
Middle River Barrier - Upstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-1.83	-1.83	n/a	-1.83	n/a	-1.83	n/a	
			10th Percentile	-1.46	-1.47	n/a	-1.47	n/a	-1.47	n/a	
			Maximum Change	n/a	n/a	-0.10	n/a	-0.10	n/a	-0.10	
Middle River Barrier - Downstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-1.85	-1.85	n/a	-1.85	n/a	-1.85	n/a	
			10th Percentile	-1.63	-1.64	n/a	-1.64	n/a	-1.64	n/a	
			Maximum Change	n/a	n/a	-0.09	n/a	-0.08	n/a	-0.08	
Old River at Tracy Rd Bridge	Stage (monthly minimum)	(ft NGVD)	Minimum	-2.15	-2.16	n/a	-2.16	n/a	-2.16	n/a	
			10th Percentile	-1.76	-1.76	n/a	-1.76	n/a	-1.76	n/a	
			Maximum Change	n/a	n/a	-0.09	n/a	-0.09	n/a	-0.09	
Old River Barrier - Upstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-0.34	-0.33	n/a	-0.33	n/a	-0.33	n/a	
			10th Percentile	0.23	0.23	n/a	0.23	n/a	0.23	n/a	
			Maximum Change	n/a	n/a	-0.07	n/a	-0.07	n/a	-0.07	
Old River Barrier - Downstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-1.80	-1.81	n/a	-1.81	n/a	-1.81	n/a	
			10th Percentile	-1.21	-1.20	n/a	-1.20	n/a	-1.20	n/a	
			Maximum Change	n/a	n/a	-0.06	n/a	-0.06	n/a	-0.06	
GLC East Barrier - Upstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-1.77	-1.79	n/a	-1.79	n/a	-1.79	n/a	
			10th Percentile	-1.26	-1.27	n/a	-1.27	n/a	-1.27	n/a	
			Maximum Change	n/a	n/a	-0.10	n/a	-0.10	n/a	-0.10	
GLC West Barrier - Upstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-1.89	-1.90	n/a	-1.90	n/a	-1.90	n/a	
			10th Percentile	-1.55	-1.55	n/a	-1.55	n/a	-1.55	n/a	
			Maximum Change	n/a	n/a	-0.12	n/a	-0.12	n/a	-0.12	
GLC West Barrier - Downstream	Stage (monthly minimum)	(ft NGVD)	Minimum	-2.02	-2.02	n/a	-2.02	n/a	-2.02	n/a	
			10th Percentile	-1.70	-1.70	n/a	-1.70	n/a	-1.70	n/a	
			Maximum Change	n/a	n/a	-0.08	n/a	-0.08	n/a	-0.08	
Delta Scouring											
Clifton Court Forebay Intake	Velocity (monthly maximum)	(ft/s)	Maximum	4.1	4.1	n/a	4.1	n/a	4.1	n/a	
			90th Percentile	3.6	3.6	n/a	3.6	n/a	3.6	n/a	
				2.6	2.6	n/a	2.6	n/a	2.6	n/a	
Los Vaqueros Old River Intake	Velocity (monthly maximum)	(ft/s)	Maximum	2.4	2.4	n/a	2.4	n/a	2.4	n/a	
			90th Percentile	2.4	2.4	n/a	2.4	n/a	2.4	n/a	
				1.5	1.5	n/a	1.5	n/a	1.5	n/a	
Los Vaqueros Middle River Intake (Proposed)	Velocity (monthly maximum)	(ft/s)	Maximum	1.4	1.4	n/a	1.4	n/a	1.4	n/a	
			90th Percentile	1.4	1.4	n/a	1.4	n/a	1.4	n/a	